

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1256585

Luminaire Tested: P3AS05R309040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R309040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

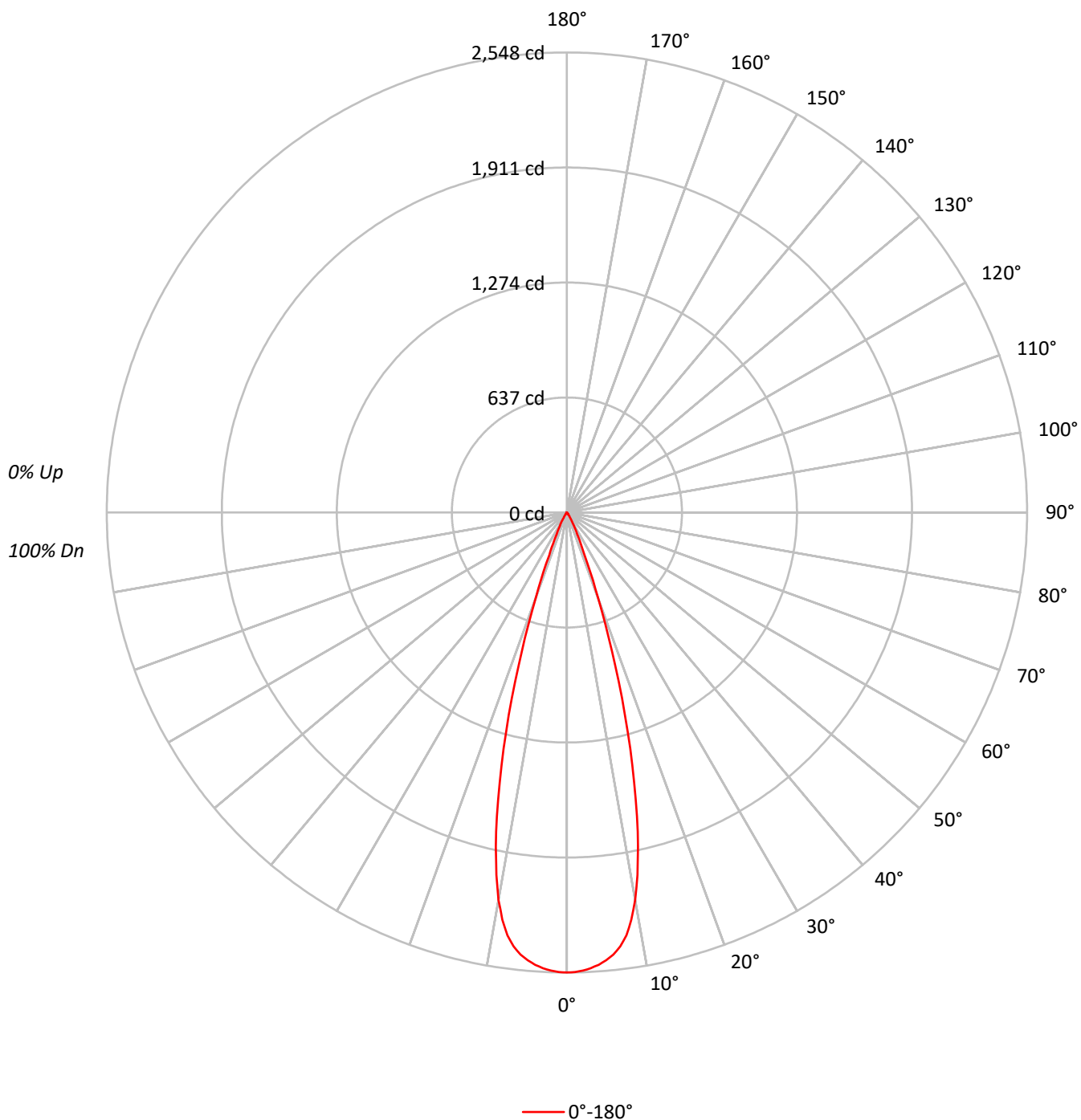
Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1256585

CATALOG NUMBER: P3AS05R309040DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1256585

CATALOG NUMBER: P3AS05R309040DE010 E3CD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	86	85	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558639
5°	548073
10°	485184
15°	307402
20°	116677
25°	34550
30°	13648
35°	4176
40°	1861
45°	682
50°	546
55°	421
60°	482
65°	571
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 682 cd/sqm

TEST NUMBER: P1256585

CATALOG NUMBER: P3AS05R309040DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	33.4
10°-20°	356.7	52.0
20°-30°	82.8	12.1
30°-40°	12.8	1.9
40°-50°	2.2	0.3
50°-60°	1.0	0.2
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	668.4	97.4
0°-40°	681.3	99.3
0°-60°	684.5	99.8
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2548	
5°	2490	229
15°	1354	357
25°	143	83
35°	16	13
45°	2	2
55°	1	1
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1256585

CATALOG NUMBER: P3AS05R309040DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2547.6
1°	2546.0
2°	2539.0
3°	2527.1
4°	2512.0
5°	2489.9
6°	2462.4
7°	2421.5
8°	2365.5
9°	2283.0
10°	2179.0
11°	2044.9
12°	1893.4
13°	1725.3
14°	1540.5
15°	1354.1
17.5°	885.8
20°	500.0
22.5°	255.4
25°	142.8
27.5°	87.8
30°	53.9
32.5°	29.1
35°	15.6
37.5°	10.2
40°	6.5
42.5°	3.8
45°	2.2
47.5°	1.6
50°	1.6
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1256585

CATALOG NUMBER: P3AS05R309040DE010 E3CD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)